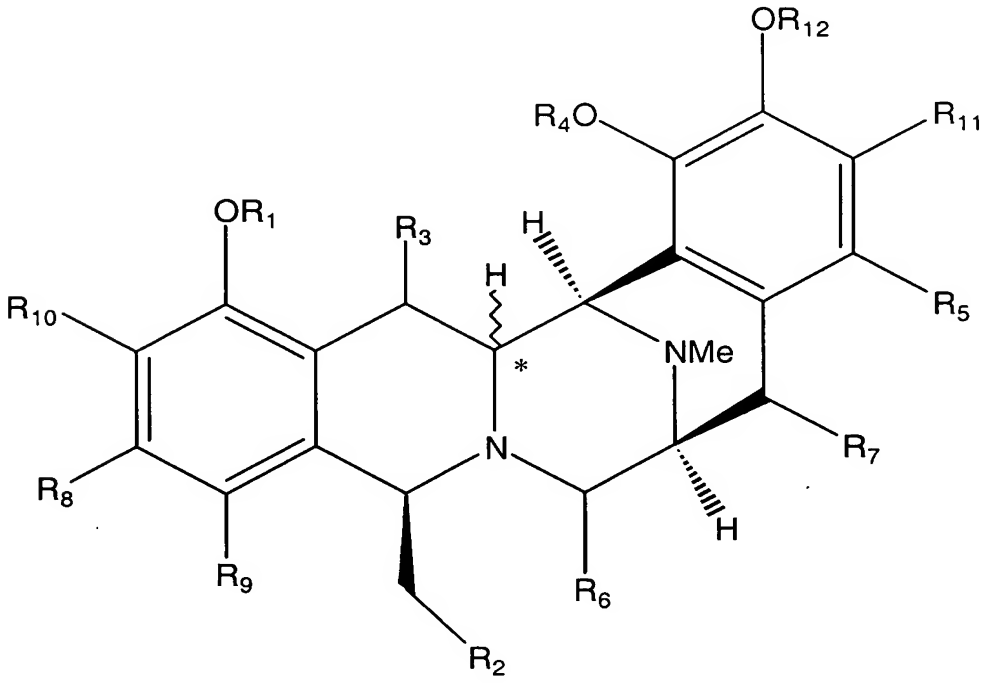
In The Claims

Please amend the claims by replacing all prior versions, and listings, of claims pursuant to 37 C.F.R. §1.121 as modified by 68 Fed. Reg. 38611 (June 30, 2003) as follows:

1. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, ~~or an acyl group~~ C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, ~~an ether~~ O(C_1-C_4 alkyl), O-benzyl, ~~ester~~ OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, $OSi(CH_3)_2$(t-butyl), ~~amide, aromatic group,~~ or a phthalimide group~~, or a substituted phthalimide group~~;

wherein R_3 is =O, OH, ~~an ether group, an acyl group, or a sulfide group~~ O(C_1-C_4 alkyl), OC(O)(C_1-C_2 alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or ~~$OC_{(2-6)}$ alkyl group~~ $OC_{(1-6)}$ alkyl group, ~~an ether group, an acyl group, or an amide group~~ ;

wherein R_6 is =O, OH, OCH_3, CN, ~~or an acyloxy group~~ OC(O)H, OC(O)(C_1-C_5 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, or halogen, ~~an ether group, or an acyl group~~;

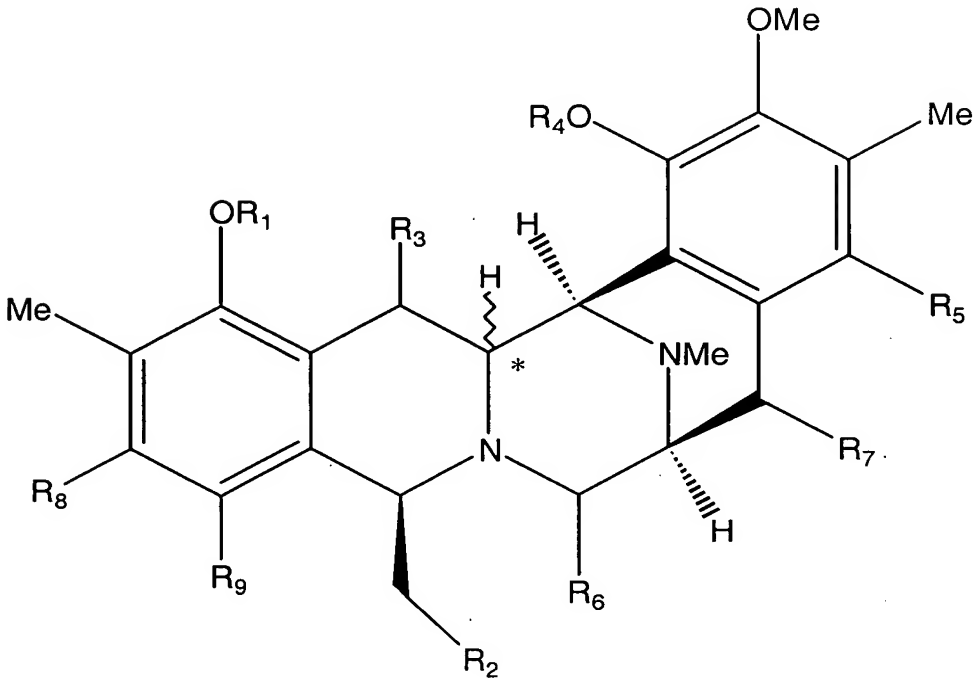
wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3;

wherein R_{10} and R_{11} are independently CH_3, OCH_3, OC_2H_5, SCH_3, or SC_2H_5;

wherein R_{12} is H, a C_1 to C_4 alkyl group, or ~~an acyl group~~ C(O)(C_1-C_4 alkyl); and

wherein the chiral center marked * has the R or the S configuration.

2. (Currently Amended) The compound of claim 1, having the formula:



~~wherein R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9 are defined as in claim 1~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, OSi(CH_3)$_2$(t-butyl), or a phthalimide group;

wherein R_3 is =O, OH, O(C_1-C_4 alkyl), OC(O)(C_1-C_2 alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or $-OC_{(1-6)}$ alkyl group;

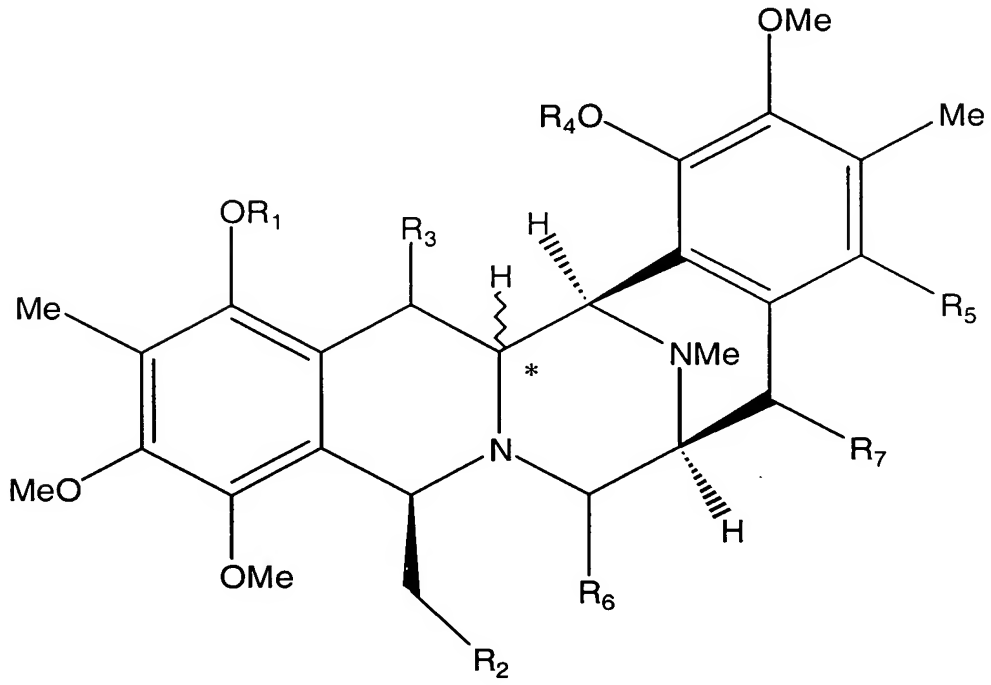
wherein R_6 is =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_5 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, or halogen;

wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3; and

wherein the chiral center marked * has the R or the S configuration.

3. (Currently Amended) The compound of claim 2, having the formula:



~~wherein R_1, R_2, R_3, R_4, R_5, R_6, and R_7 are defined as in claim 1~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, OSi(CH_3)$_2$(t-butyl), or a phthalimide group;

wherein R_3 is =O, OH, O(C_1-C_4 alkyl), OC(O)(C_1-C_2 alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or -$OC_{(1-6)}$ alkyl group;

wherein R_6 is =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_5 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, or halogen and

wherein the chiral center marked * has the R or the S configuration.

4. (Original) The compound of claim 3, wherein R_1 is CH_3, R_3 is =O, R_4 is CH_3, R_5 is OCH_3, R_6 is =O, and R_7 is H.

5. (Original) The compound of claim 4, wherein R_2 is OC(O)H.

6. (Original) The compound of claim 4, wherein R_2 is H.

7. (Original) The compound of claim 4, wherein R_2 is OH.

8. (Currently Amended) The compound of claim 4, wherein R_2 is ~~-O benzene~~ -O-benzyl.

9. (Original) The compound of claim 4, wherein R_2 is $OCOCH_3$.

10. (Original) The compound of claim 4, wherein R_2 is -O-*t*-butyldimethylsilyl.

11. (Original) The compound of claim 4, wherein R_2 is -O-Pivaloyl.

12. (Original) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is CH_3, R_5 is OCH_3, R_6 is =O, and R_7 is H.

13. (Original) The compound of claim 12, wherein R_2 is -O-pivaloyl.

14. (Currently Amended) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is ~~benzene[[$_3$]]~~ benzyl, R_5 is OCH_3, R_6 is

=O, and R_7 is H.

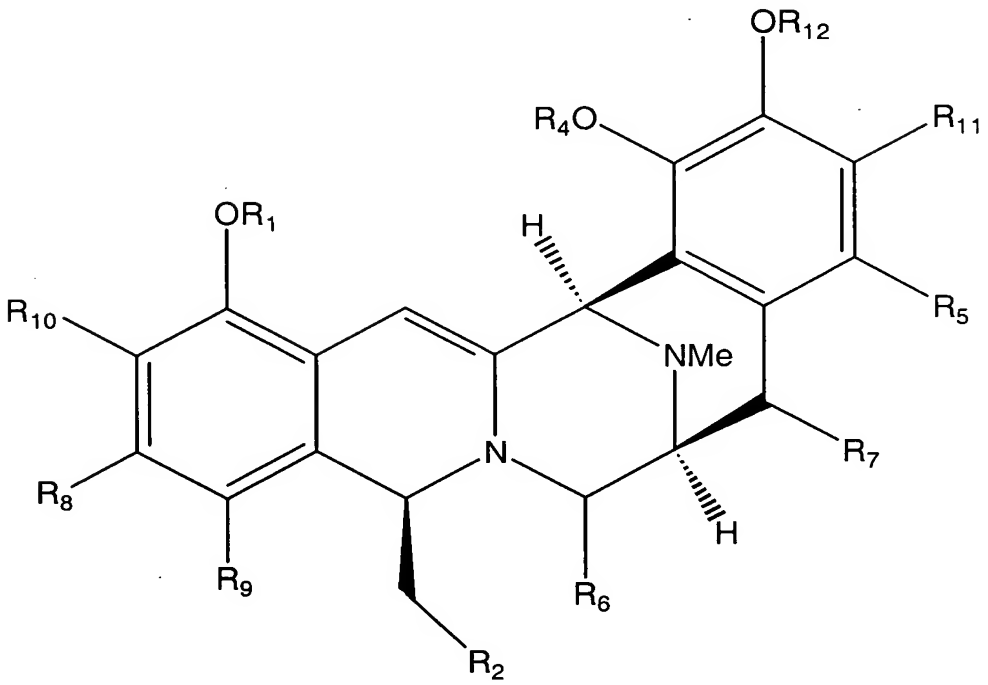
15. (Original) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is H, R_5 is OCH_3, R_6 is =O, and R_7 is H.

16. (Original) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is H, R_5 is H, R_6 is =O, and R_7 is H.

17. (Original) The compound of claim 3, wherein R_3 is =O, R_4 is H, R_5 is halogen, R_6 is =O, and R_7 is H.

18. - 32. (Canceled)

33. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, ~~or an acyl group~~ C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, ~~an ether~~ O(C_1-C_4 alkyl), O-benzyl, ~~ester~~ OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, $OSi(CH_3)_2$(t-butyl), ~~amide, aromatic group,~~ or a phthalimide group~~, or a substituted phthalimide group~~;

wherein R_5 is H, halogen, OH, ~~an ether group, an acyl group, or an amide group~~ or O(C_1-C_6 alkyl);

wherein R_6 is =O, OH, OCH_3, CN, ~~or an acyloxy group~~ OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl;

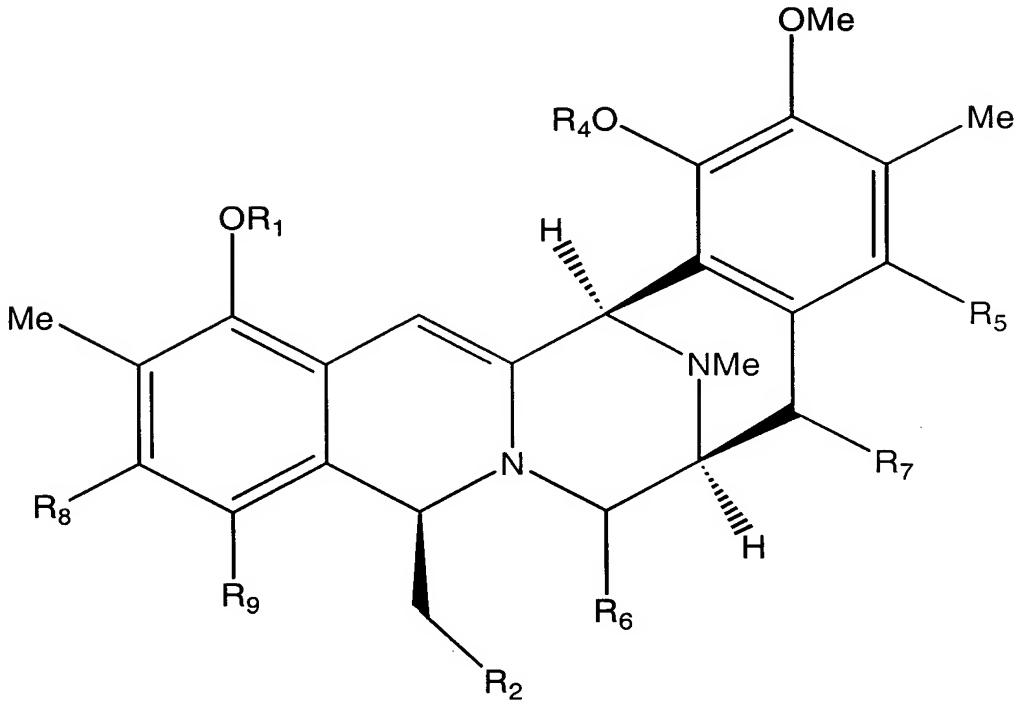
wherein R_7, is H, =O, OH, or halogen, ~~an ether group, or an acyl group~~;

wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3;

wherein R_{10} and R_{11} are independently CH_3, OCH_3, OC_2H_5, SCH_3, or SC_2H_5; and

wherein R_{12} is H, a C_1 to C_4 alkyl group, or ~~an acyl group~~ OC(O) benzyl.

34. (Original): The compound of claim 33, having the formula:



~~wherein R_1, R_2, R_4, R_5, R_6, R_7, R_8 and R_9 are defined as in claim 33~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, $OSi(CH_3)_2$(t-butyl), or a phthalimide group;

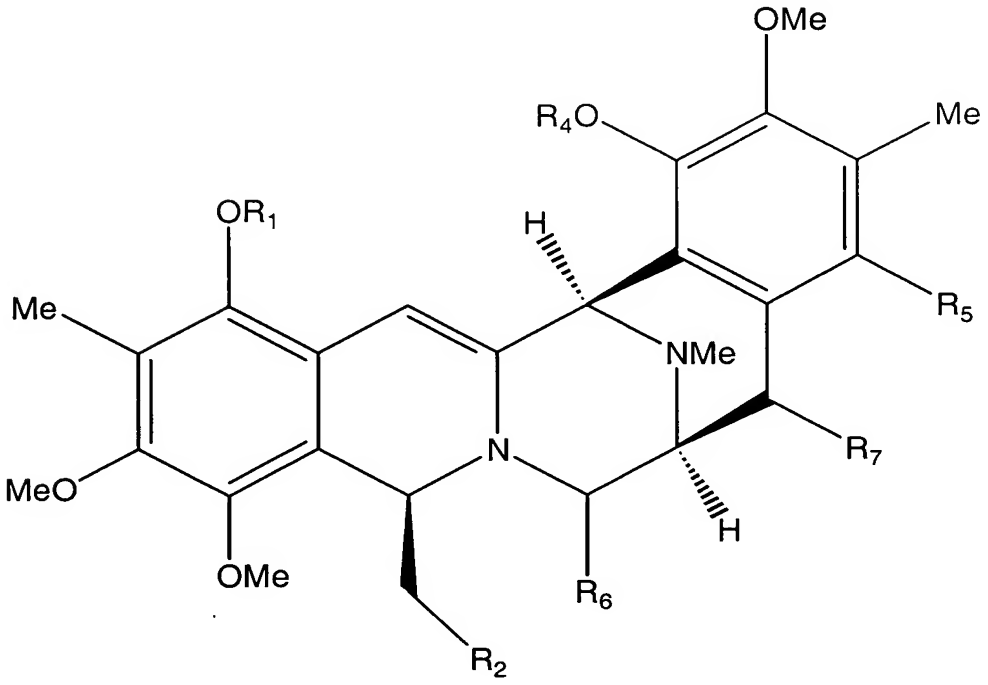
wherein R_5 is H, halogen, OH, or O(C_1-C_6 alkyl);

wherein R_6 is =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, or halogen; and

wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3.

35. (Currently Amended) The compound of claim 34, having the formula:



~~wherein R_1, R_2, R_4, R_5, R_6, and R_7 are defined as in claim 33~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, OSi(CH_3)$_2$(t-butyl), or a phthalimide group;

wherein R_5 is H, halogen, OH, or O(C_1-C_6 alkyl);

wherein R_6 is =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl; and

wherein R_7, is H, =O, OH, or halogen.

36. (Original) The compound of claim 35, wherein R_1 is CH_3, R_4

is CH_3, R_5 is OCH_3, R_6 is =O, and R_7 is H.

37. (Original) The compound of claim 36, wherein R_2 is OC(O)H.

38. (Original) The compound of claim 36, wherein R_2 is H.

39. (Original) The compound of claim 36, wherein R_2 is OH.

40. (Currently Amended) The compound of claim 36, wherein R_2 is ~~-O-benzene~~ -O-benzyl.

41. (Original) The compound of claim 36, wherein R_2 is $OCOCH_3$.

42. (Original) The compound of claim 36, wherein R_2 is -O-*t*-butyldimethylsilyl.

43. (Original) The compound of claim 36, wherein R_2 is -O-Pivaloyl.

44. (Original) The compound of claim 35, wherein R_1 is H, R_4 is CH_3, R_5 is OCH_3, R_6 is =O, and R_7 is H.

45. (Original) The compound of claim 44, wherein R_2 is -O-pivaloyl.

46. (Currently Amended) The compound of claim 35, wherein R_1 is H, R_4 is ~~benzene[[$_3$]]~~ benzyl, R_5 is OCH_3, R_6 is =O, and R_7 is H.

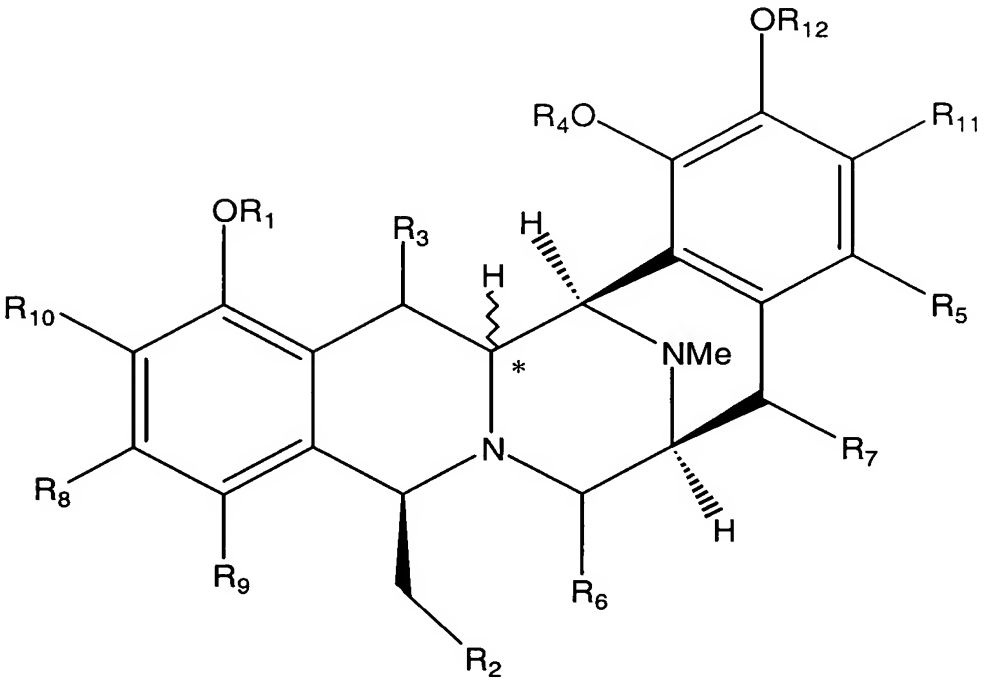
47. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is OCH_3, R_6 is =O, and R_7 is H.

48. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is H, R_6 is =O, and R_7 is H.

49. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is halogen, R_6 is =O, and R_7 is H.

50. - 83. (Canceled)

84. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, ~~or an acyl group~~ C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, ~~an ether~~ O(C_1-C_4 alkyl), O-benzyl, ~~ester~~ OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, or OSi(CH_3)$_2$(t-butyl) ~~amide, aromatic group~~;

wherein R_3 is =O, OH, H, ~~an ether group, an acyl group, or a sulfide group~~ O(C_1-C_4 alkyl), OC(O)(C_1-C_2 alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or -$OC_{(2-6)}$ alkyl group~~, an ether group, an acyl group, or an amide group~~;

wherein R_6 is H, =O, OH, OCH_3, CN, ~~or an acyloxy group~~ OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, OCH_3, or halogen~~, an ether group, or an acyl group~~;

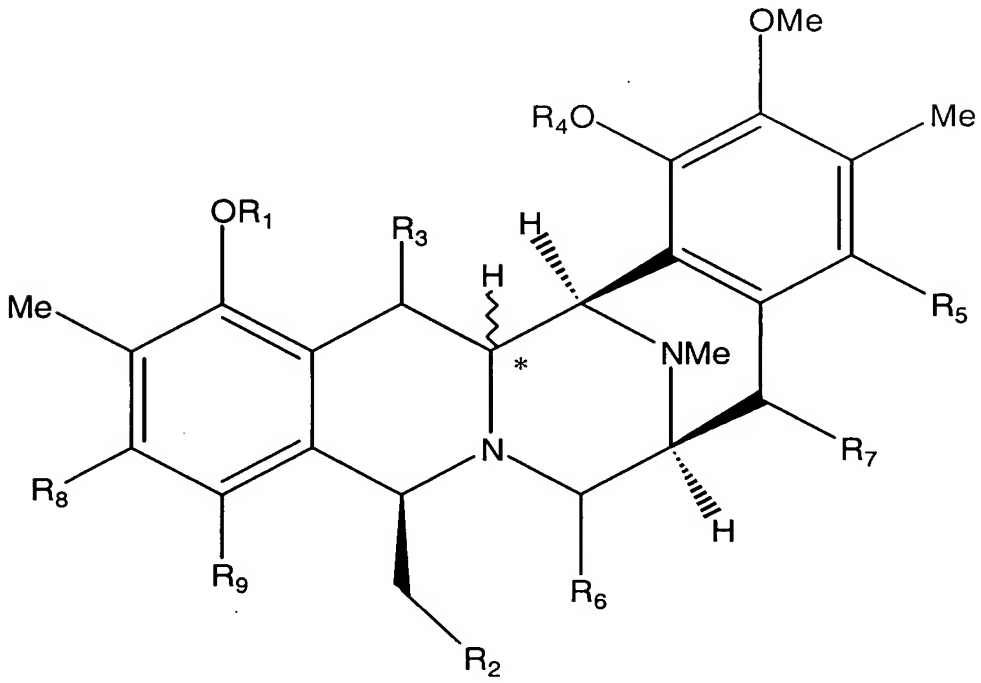
wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3;

wherein R_{10} and R_{11} are independently CH_3, OCH_3, OC_2H_5, SCH_3, or SC_2H_5;

wherein R_{12} is H, a C_1 to C_4 alkyl group, or ~~an acyl group~~ C(O)(C_1-C_4 alkyl); and

wherein the chiral center marked * has the R or the S configuration.

85. (Currently Amended) The compound of claim 84, having the formula:



~~wherein R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9 are defined as in claim 84~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1\text{-}C_4$ alkyl), O-benzyl, OC(O)H, $OC(O)(C_1\text{-}C_6$ alkyl), OC(O)benzyl, or $OSi(CH_3)_2$(t-butyl);

wherein R_3 is =O, OH, H, $O(C_1\text{-}C_4$ alkyl), $OC(O)(C_1\text{-}C_2$ alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or $-OC_{(2\text{-}6)}$ alkyl group;

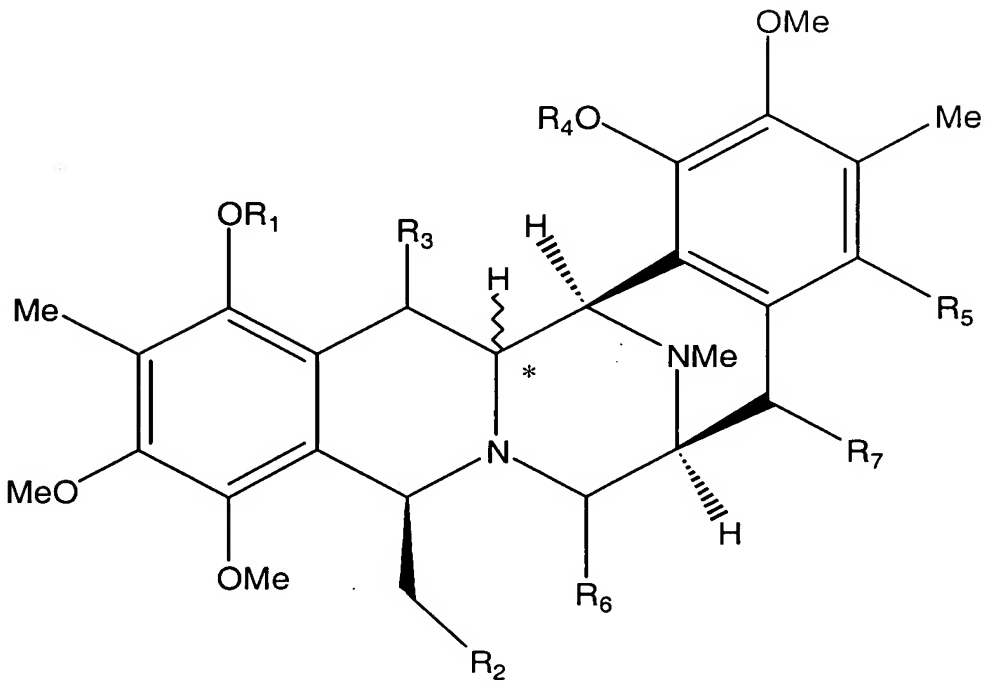
wherein R_6 is H, =O, OH, OCH_3, CN, OC(O)H, $OC(O)(C_1\text{-}C_4$ alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, OCH_3, or halogen;

wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3; and

wherein the chiral center marked * has the R or the S configuration.

86. (Currently Amended) The compound of claim 85, having the formula:



~~wherein R_1, R_2, R_3, R_4, R_5, R_6, and R_7 are defined as in claim 84~~

wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, or OSi(CH_3)$_2$(t-butyl);

wherein R_3 is =O, OH, H, O(C_1-C_4 alkyl), OC(O)(C_1-C_2 alkyl), or OC(O)benzyl;

wherein R_5 is H, halogen, OH, or -$OC_{(2-6)}$ alkyl group;

wherein R_6 is H, =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, OCH_3, or halogen; and

wherein the chiral center marked * has the R or the S configuration.

87. (Currently Amended) The compound of claim 86, wherein R_1 is H, R_2 is OH, R_3 is H, R_4 is H, R_5 is H, R_6 is =O, and R_7 is H ~~(Compound 113)~~.

88. (Original) The compound of claim 86, wherein R_3 is H, R_4 is CH_3, R_5 is OCH_3, and R_7 is H.

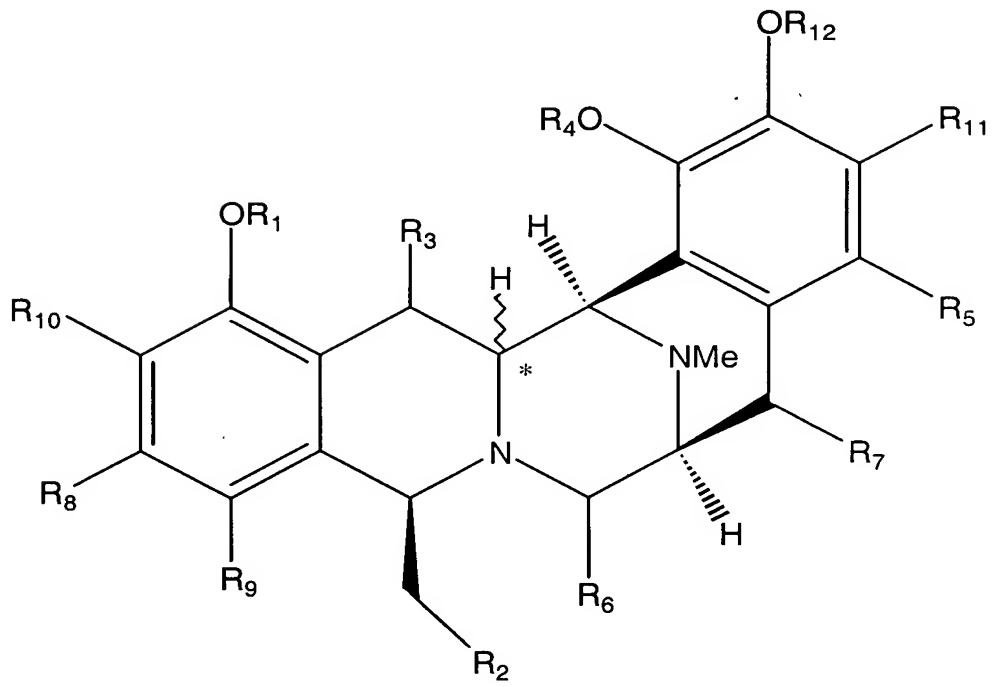
89. (Original) The compound of claim 88, wherein R_2 is OH.

90. (Currently Amended) The compound of claim 89, wherein R_6 is H and R_1 is CH_3 ~~(Compound 107)~~.

91. (Currently Amended) The compound of claim 89, wherein R_6 is =O and R_1 is H ~~(Compound 104)~~.

92. - 120. (Canceled)

121. (New) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, C(O)(C_1-C_4 alkyl) or benzyl;

wherein R_2 is H, OH, O(C_1-C_4 alkyl), O-benzyl, OC(O)H, OC(O)(C_1-C_6 alkyl), OC(O)benzyl, or $OSi(CH_3)_2$(t-butyl);

wherein R_3 is H;

wherein R_5 is H, halogen, OH, or $-OC_{(1-6)}$ alkyl group;

wherein R_6 is H, =O, OH, OCH_3, CN, OC(O)H, OC(O)(C_1-C_4 alkyl), or OC(O)benzyl;

wherein R_7, is H, =O, OH, OCH_3, or halogen;

wherein R_8 and R_9 are independently H, CH_3, OCH_3, OC_2H_5, Br, F, or CF_3;

wherein R_{10} and R_{11} are independently CH_3, OCH_3, OC_2H_5, SCH_3, or SC_2H_5;

wherein R_{12} is H, a C_1 to C_4 alkyl group, or C(O)(C_1-C_4 alkyl); and

wherein the chiral center marked * has the R or the S configuration.